



Khandesh College Education Society's Post Graduate College of Science, Arts and Commerce, Jalgaon

**Affiliated to K. B. C. N. M. U. Jalgaon
NAAC Accredited at B+ Grade with CGPA of 2.52**



**Prospectus
2025-26**

EXPLORE YOUR POTENTIAL



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Vision

To be a pre-eminent educational institution that prepares student from diverse backgrounds for productive careers by providing them with a student-centered, practically focused quality - learning experience.

Mission

- To install high standards of discipline, ethics and values amongst the future of scientist.
- To encourage students to work hard under the meticulous guidance of the eminent teachers.
- To make their dream of bright future come true by holding a lucrative job with their overall personality development and improvement in the quality of life.

Unflinching belief

" Education is the means to improve the quality of life & to achieve the development of personality.

True education is that which allows intellect to grow & affects good thoughts into character - building.

Education is the means to bring about the best in many for the allround development of mankind."

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COMMERCE, JALGAON**

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NAAC Accredited at B+ Grade with CGPA of 2.52

Phone: (0257) 2236036,
E-mail:pgcollege@kces.in | Website: www.pgcollege.kces.in

Year 2025-26

Administrative Staff

Principal

Prof. K. B. Mahajan

(M.Sc.,Ph.D.)

Dr. V. S. Zope	Academic Advisor & Professor of Chemistry	9422224616
Dr. R. M. Patil	Head, Department of Chemistry	7028164995
Prof. S. N. Patil	Head, Department of Microbiology	8806680979
Prof. Kiran Bari	In charge, Commerce faculty	7057475599
Mr. U. S. Patil	Librarian	9975312846
Mr. S. S. Narkhede	Head Clerk	8600344013
Mr. S. L. Patil	Rector, Girls Hostel	9422778783

Rs. : 100/-

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Welcome



Teaching and learning has been the manifestation for sharing of knowledge. It empowers the students and enlarges the horizons of their minds. It not only enables a person to earn his living with respect and dignity but also energizes the society. Science education is an effective medium of social transformation that contributes in the development of the society and the nation.

I am greatly pleased to proudly place on record the establishment (2010) of Post graduate College of Science, Technology and Research (PGCSTR), as the outcome of the visionary dream of our Hon'ble President, Mr. N. G. Bendale – a humble servant of education whose mission to provide facility of post graduate education in science to the students of mofussial places and diverse socio-economical strata.

As an academic expansion from 2021-22, two faculties namely Arts (M. A. Psychology), Commerce (M. Com) and one new course (M. Sc. Analytical Chemistry) have been introduced changing the name of the college as Post Graduate college of Science, Arts and Commerce, Jalgaon. Our college is the only post graduate non grant college in KBC-NMU region which is NAAC accredited with 2.52 CGPA score at B+ grade in its first cycle.

In order to achieve our vision and mission, the college is prepared to take all that requires for excelling in the academics. We take every effort to attain high standards in discipline, ethics and values among our students, the future scientists. Students become well trained by being a part of the 'Prospective Researchers' Scheme' (PRS) through which they able to participate in research projects and to prepare research articles of an international standard. The college offers the three value added certificate courses for imparting transferable and life skills to the students.

In this brochure, you will definitely get a feel of what an exciting campus it is for all-round development of the post graduate students, with an impressive range of courses, state-of-the-art facilities, best possible learning resources and above all, dedicated academic support to nurture your ambitions in every walk of life. Join us and be a part of the academic excellence.

Dr. K. B. Mahajan
Principal

About KCE Society



Way back in 1944, visionaries from Khandesh, with educational foresight and deep concern for the educational welfare of the students, decided to establish Khandesh College Education Society (KCES).

The visionary leadership of Pradnyavant Mr. Nandkumar Bendale (President, KCES) is the driving force behind our entire educational movement. All along these years, we have been marching towards newer and higher academic goals by leaps and bounds. Today, the college is committed to offer the best in education and provide individual attention to every student.

It is a policy of management that the modern facilities like central instrumentation laboratory, Yoga centre, sports complex that have been developed are share to all the branches/colleges of Society.

On behalf of the members of the Khandesh College Education Society and staff members, I welcome you to P.G. College where you may find suitable path for academic success. Come, join us, and be a part of the academic excellence.

Student support & services

Sophisticated Infrastructural Facilities

In order to achieve the goal of excellence in core mission activities of teaching and learning, the college has always strived for providing sophisticated infrastructural facilities. The college has modern educational equipments and smart classrooms useful for online teaching process in this pandemic situation.

Moreover, all the departments have been equipped with computer and internet facility.

Library

It is a privilege to state that the, though Central Library of our college is the young it has sufficient number of books and periodicals. More than 995 books, and subscribes to 8 periodicals are available in library. It provides access to E-journals and more than 1 Lakh electronic books through N-list service of INFLIBNET. reference books. There is a separate section of library where the Open Access System is followed. A student is allowed to study in the Reading Room which is open from 10.30 am to 05.30 pm.

Best Practices: Prospective Researcher's Scheme & PG Technologia

The College runs a unique schemes to propagate research culture among PG students of all the subjects. In PRS the students undertake research projects during summer vacation under the supervision of the experts. Subject teachers who are assigned the responsibility of guiding students on the research projects provide the guidance. The projects are assessed by experts in the

respective fields, and the best three projects from each subject are awarded motivational prizes. The research papers are published in the form of compendium with ISBN. It is released at the auspicious hands of renowned scientist/researcher/academician.

Smart Classroom

Smart Classroom teaching aims at combining collaborative teaching and the latest technological teaching tools to create a modern and effective education service environment in higher education set up. The Smart Classroom Teaching deals with both, physical and virtual teaching. It helps students gather information from all over the globe with the help of internet, video- conferencing and other software. It brings flexibility to learning and makes the learning ubiquitous. Various activities are conducted by NPTEL.

Hostels with Mess Facility

Separate and wide range of hostel accommodation and mess facilities are available for boys and girls. Hostel admissions are given on merit basis. Concession in Hostel fees is given to some needy and economically backward students. Further, free accommodation is made available to some needy students. For further details, please refer to the Hostel Brochure.

Ekalavya Krida Sankul

In order to provide in-house sports facilities to the sport persons, Eklavya Krida Sankul of K.C.E. Society's was established in the year 2004. It provides facilities for : 1) Badminton (Two wooden Courts), 2) Table Tennis (Separate court with four tables) 3) Gymnasium 4) Skating Rink 5) Malla-khamb 6) Lawn Tennis (Clay Courts) 7)

Cricket 8) Football 9) Gymnastics 10) Basket Ball, 11) Archery 12) Chess 13) Judo Karate, 14) Shooting range, 15) Squash, etc. Recently, a world-class Olympic size swimming pool has been inaugurated which will train students for national and international swimming championships. The in-door shooting range will also be opened for the students and will train them for shooting championships at national and international levels. Special coaches are appointed for the above mentioned games.

Canteen

With a view to provide nutritious food to the students of the college, canteen facility has been provided on the campus. Healthy food is made available at reasonable rate to the students and staff members.

RO Drinking Water

With a view to provide pure and healthy drinking water supply to the whole campus, a separate Reverse Osmosis Drinking Water manufacturing plant has been installed on the premises of the college.

Medical Facility

Mother Teresa Medical Centre, established within the college campus, is well equipped to help the students and staff members for their medical care.

Banking Facilities

The college houses branches of Bank of Maharashtra and The Jalgaon Peoples' Co-operative Bank Ltd., Jalgaon, which provide services to the students as and when required.

Co-operative Consumer Store

Co-operative Consumer store is being run for the convenience of staff and students. The required stationery, laboratory journals and articles of daily use are made available alongwith tutorial sheets and answer books for internal examinations.

Spacious playground

Spacious play grounds are made available for athletics and other sports events such as Football, Cricket, Kho-Kho, Kabaddi, Basketball, etc.

24 X 7 Generator Power Backup

A '24X7 generator power back up' has been set up to provide an uninterrupted electric supply to the entire college campus.

Wi-Fi Campus

The entire college campus is having a '24X7 high-speed Wi-Fi internet facility'. It is made available for the students and faculty members to avail themselves of internet connection at any place in the college, hostel and residential zone.

Financial Aid and Scholarships

A) Central/State Government Scholar-ships/Free-ships.

The college helps the students to get the following scholarships offered by Central / State Government:

Government of India Scholarship/ Free-ship, Eklavya Scholarship, National Merit Scholarship, Scholarship to physically handicapped students, State Government Open Merit Scholarship, Economically Backward Class Scholarship, Sports Scholarship by Sports Authority of India, Scholarship to bright students from rural area, Primary/ Secondary School Teacher Wards Scholarships, Scholarship to minority

students, etc.

B) Financial Aid by the College :

The college offers the financial aid through the following schemes:

Poor Student Aid Fund, Endowment Scholarship & Prizes.

C) Late Dr. Annasaheb Bendale Scholarship - In the year 2004-05, Khandesh College Education Society received a substantial amount of donation from Shreemati Shalinitai Bendale in the memory of Late Dr. G. D. Bendale, who had remained a source of inspiration and guiding force for K.C.E. Society for many years, and had been the President of the society for more than 40 years. The scholarship named after "Dr. Annasaheb Bendale" is offered to the brilliant and deserving students taking their education in P. G. C.S.A.C. as well as various other institutions of the K.C.E. Society.

D) **Endowment Prizes:** Student who stood first in M.Sc. organic Chemistry, Analytical Chemistry, Biotechnology and microbiology in the college is awarded a endowment prize sponsored by Dr. V. S. Zope.

Student's Grievance Redressal Cell

The college has established Students' Grievance Redressal Cell to address the problems and difficulties of the students. To enable students to lodge their grievances (complaints), drop-boxes have been placed at different places on the campus. A separate committee takes cognizance of the complaints every fortnight and does the needful.

Placement & Counseling Cell

A special Placement & Counseling Cell has been established in the college which organizes training sessions, campus interviews and publishes placement brochures. The students are provided with

guidance and counseling for their career plans & placements.

Co-curricular and Extra- Curricular Activities

Industrial Projects and Study Tours The college has launched an Industrial Liaison Programme under which students visit local industries for their internship and practical/project work. This programme provides vocational guidance to students and helps to create professional awareness among them. Special efforts are taken to organize educational tours for students to various locations within the country. Faculty-wise and department-wise educational tours are arranged for students, as per the requirements of their curricula.

Central Instrumentation Laboratory

This laboratory comprises of all advanced instruments like Gas chromatography (GC), High Performance Liquid Chromatography (HPLC), Atomic Absorption Spectroscopy (AAS), Fourier Transform Infra- red spectroscopy (FTIR), Thermal Cycler for Polymerase Chain Reaction (PCR), Gel documentation system, Double beam spectrophotometer with advanced facilities, Brookfield viscometer, - 20°C deep freezer, Shakers, incubators, etc. UG, PG and Ph.D. students are encouraged to use these advanced instruments and get hands on them. College also conducts "Advanced Instrumentation Training Course" This training course enables students to get better job opportunities. College offers consultancy to the industries and accepts projects from them which provide students industrial exposure. Research students from the other institutes and industries can avail the facility of sample analyse at minimal charges.

Plant Tissue Culture Laboratory

P.G. College has well equipped Plant Tissue Culture Laboratory with separate inoculation and growth room. It is well equipped with laminar air flow, air conditioners, autoclaves, culture racks with photoperiod regulators.

Annual Social Gathering: Rhythm

Every year, College organises a social gathering to provide opportunities to the students to show their talent qualities and potentials. During these events, various programmes such as debating and elocution competition, exhibitions, drama competition, sports competition, quiz competition, blood donation camp, variety entertainment and cultural programmes, extempore speech and fancy dress competition are organised.

Yuvati Sabha

This is platform for the girl students guide ship the health & hygiene, rights & responsibilities, various employment opportunities and personality development.

The Selection of the Best Student of the academic year

Every Year, the Best student of the College is selected and for this selection, illustrative norms are considered as under : 1) Continuous meritorious performance from Std. XII till the present day 2) Contribution / participation in NSS/ NCC elocution, debating competitions, etc. 3) Special achievement in sports. 4) The optimal use

of library facility of the college. Extra reading apart from regular syllabus/ curricula. 5) Smooth behavior & polite rapport with teaching / non teaching staff.

Mode of Admission

(As per information Brochure of University and rules of university)

The admission to all the subjects shall be through centralized process by K.B.C. N.M.U. Jalgaon. The subjects offered by college are Organic Chemistry, Analytical Chemistry, Microbiology, Biotechnology, Mathematics, Statistics.

Rules for Admission

(As per Information Brochure of University)

a) Distribution of Seats

Non- Granted Courses

- Candidates graduated from North Maharashtra University - 70 %
- Candidates graduated from Other University - 10 %
- Seats to be allotted through Management Quota - 20 % of the total intake

Industry Sponsored Seats: One seat for first 10 intake capacity subject to maximum two per course.

b) Reservations :

All the reservations given below shall be applicable to candidates belonging to Maharashtra state only subject to the fulfilment of the eligibility criteria specified by respective authorities from time to time.

(a) Reservation for backward class category

Candidates:

The percentage of seats reserved for candidates of backward class categories belonging to Maharashtra state is as given

below. The percentage of reservation is the percentages of the seats available for Maharashtra candidates, coming under the CAP.

Backward class candidates shall claim the category to which they belong to at the time of submission of application form for CAP.

Sr. No.	Category of Reservation	Percentage Reservation
01	Scheduled Castes and Schedule Caste converts to Buddhism (SC)	13.0 %
02	Schedule Tribes (ST)	7.0%
03	VimuktaJati (VJ)/De Notified Tribes(DT) (NT-A)	3.0%
04	Nomadic Tribes 1 (NT-B)	2.5%
05	Nomadic Tribes 2 (NT-C)	3.5%
06	Nomadic Tribes 3 (NT-D)	2.0%
07	Other Backward Classes (OBC)	19.0%
08	Socially and educationally Backward class SEBC	10%
09	EWS	10%

(b) Reservation for wards of defense service personnel:

Five percent (5%) seats out of total sanctioned

intake capacity of university schools and affiliated colleges as a whole separately, subject to a maximum of one (01) seat in each institute coming under CAP shall be reserved for wards of ex- service personnel who are from Maharashtra state.

(c) Reservation for persons with disability Candidates:

Five percent (5%) seats of total sanctioned intake capacity of university schools and affiliated colleges as a whole separately, subject to a maximum of one (01) seat in each institute coming under CAP shall be reserved for candidates with disability.

The allotment of seats reserved for

the Candidates with disability shall be done on The basis of merit. The candidates claiming reservation under this category shall submit the Physical Disability certificates.

Note

Candidates with disability should note that on admission to degree course they will not be given any exemptions or additional facility in the academic activities other than those which may be provided by the university.

(d) If the reservation quota remains vacant then 2% seats of total intake capacity of university schools and affiliated colleges as a whole separately will be offered to SBC category.

(e) Reservation for EWS (Economical Weaker Section) Candidate: As per the provisions in Government Resolution No . राआधो-4019/-D.31/16-अ, dated 12th February, 2019, 10% seats shall be reserved for EWS candidates. These seats shall be filled by the Competent Authority through CAP as per the policies of the Government declared from time to time.

(f) If sufficient candidates from Kavayitri Bahinabai Chaudhari North Maharashtra University area are not available for admission for various post graduate courses, candidates from other universities will be considered. Similarly, if candidates from other universities are not available for admission, the candidates from Kavayitri Bahinabai

Chaudhari North Maharashtra University will be considered for admission. There will be separate merit list for other university students.

(g) Any change from Government side in terms of

reservation before the commencement of CAP Round - I will be taken under consideration.

(h) Candidate once admitted through industry sponsored quota will not be allowed to shift to general quota under any circumstances.

Admission Procedure

A. Faculty of Commerce (M.Com. Part-I)

Admission of M.Com. (I) will be on first come first basis.

B. Faculty of Science (M.Sc. Part-I):

1. Stages of allotment of seats under CAP shall be made available on the K.B.C. N.M.U. Jalgaon website before the commencement of CAP round.

2. Candidate shall report the college and confirm the admission as per the rules given in University brochure of admission.

C. Faculty of Arts (M. A. Part-I): M. A. (Psychology) will be commenced if students will be available for it.

Refund of Fees after Cancellation of Admission

(a) The Candidates shall apply for cancellation and submit signed copy of application for cancellation of admission to the institution.

(b) After receiving admission cancellation request from the Candidate, the institution shall cancel the admission immediately online and generate online acknowledgment of cancellation of admission through institution login and issue a signed copy to the Candidate.

(c) No candidate will be allowed to cancel his/ her admission without paying complete fees of the course for which he/she got admitted.

(d) The candidate cancelling his/ her admission within a period of seven days from the date of his/her admission, deduction to the tune of 10% of total amount of tuition fee in addition to the amount of Rs. 500/- will be made.

(e) The candidate cancelling his/ her admission within a period of 30 days from the date of his/her admission, deduction to the tune of 25% of total amount of tuition fee in addition to the amount of Rs. 500/- will be made.

(f) The candidate cancelling his/ her admission after the period of 30 days from the date of his/her admission, refund towards any kind of fees will not be made.

(g) No refund will be made to any candidate admitted through industry sponsored quota.

Schedule of activities for M.Sc. admission through CAP

Sr.	Activity	Scheduled Dates
1.	Display of Online Application Form	09/06/2025
2	Last date of online application by the candidate	16/06/2025
3	Verification of documents, updating and confirmation of Application Form for Admission at designated ARC	09/06/2025 to 17/06/2025
4.	Display of Provisional General Merit list on University's website	18/06/2025
5	Submission of grievances, if any at respective ARC through e-mail/ in person	19/06/2025
6.	Display of Final General Merit list on University's website	20/06/2025
7.	Display of category wise seat distribution (seat matrix) for CAP round I	20/06/2025
8.	Online Submission and Confirmation of Option Form for CAP Round-I through candidate Login by himself/herself through the website	21/06/2025 to 22/06/2025
9.	Display of Provisional Allotment list of CAP Round-I	24/06/2025
10	Confirmation of seat Freeze/Float CAP Round-I and reporting to the institute for admission	25/06/2025 & 26/06/2025
11	Display of Vacant Seats for CAP Round-II	27/06/2025
12	Online Submission and Confirmations of Option Form for CAP Round-II through candidate Login by himself/herself through the website	28/06/2025 to 29/06/2025
13	Provisional Allotment list of CAP Round-II	01/07/2025
14	Confirmation of seat Freeze/Float CAP Round-II and reporting to the institute for admission	02/07/2025 to 03/07/2025
15	Display of Vacant Seats after CAP Round II	04/07/2025
16	i) Admission for seats under Industry Sponsored Quota at respective School / College: Application by candidate, display of merit list at respective school/college, and confirmation of admission ii) Admission for seats under Management Quota at respective School / College	05/07/2025
17	Commencement of teaching sessions	27/06/2025

Note : Schedule may change as per NMU Instruction hence Student should visit [www. nmu.ac.in](http://www.nmu.ac.in)

Eligibility Criteria:

General Criteria : A candidate is considered to be eligible for admission to the post graduate course offered by the affiliated colleges if he/she has secured at least 50% marks or equivalent CGPA at graduation (45% marks or equivalent CGPA for backward class i.e. SC / ST / DT / NT / OBC / SBC / SEBC category candidate from Maharashtra State only).

In case of other University candidate, preference will be given to students having relevant principal subject at B.Sc. over B.Sc. general.

Specific Criteria : The specific eligibility criteria in addition to above general criteria for the admission to various post graduate courses is as follows:

Sr.	Course	Specific Eligibility
1.	M.Sc. (Organic Chemistry)	B.Sc. (Chemistry)
2.	M.Sc. (Analytic Chemistry)	B.Sc. (Chemistry/Analytic Chemistry)
3.	M.Sc. (Microbiology)	B.Sc. (Microbiology)
4.	M.Sc. (Biotechnology)	B.Sc. (Biotechnology) If seats remain vacant, those will be equally distributed among candidates with B. Sc. Microbiology / Biotechnology / Botany / Zoology / Chemistry (with any Biology group subject as subsidiary subject)
5.	M.Sc. (Mathematics)	B.Sc. (Mathematics) Or B.Sc. in any subject with Mathematics at S. Y. B.Sc. level with minimum 50% marks/CGPA in Mathematics. Preference will be given to B.Sc. (Mathematics)
6.	M.Sc. (Statistics)	B.Sc. (Statistics) or B.Sc. in any other subject with Statistic as a one of the subsidiary subject upto S.Y.B.Sc.

Certificate Courses:

College offers following certificate courses of which two are affiliated to KBC North Maharashtra University and one is conducted by college. These are career oriented soft skills development courses. Students can enroll for these courses simultaneously with their P.G. Degree Course.

Certificate Courses

1. Certificate course in analytical Chemistry (University approved)
2. Certificate course in Bio-analytical techniques & Bio-informatics (University approved)

M.Sc. 1st Year : (Organic Chemistry and Analytical Chemistry) NEP

Course Code	Course Type	Title of the Course
Semester – I		
CH-411	Core	Advanced Physical Chemistry-I
CH-412	Skilled	Chemistry Practical –I (Physical Chemistry)
CH-413	Core	Advanced organic Chemistry-I
CH-414	Skilled	Chemistry Practical-II (Organic Chemistry)
CH-415	Skilled	Chemistry Practical-III (Inorganic Chemistry)
CH-416 A	Elective	Advanced Inorganic Chemistry-I
CH-416 B	Elective	Advanced Analytical Chemistry-I
CH-417	RM	Research Methodology
Semester – II		
CH-421	Core	Advanced Physical Chemistry-II
CH-422	Skilled	Chemistry Practical –IV (Physical Chemistry)
CH-423	Core	Advanced organic Chemistry-II
CH-424	Skilled	Chemistry Practical-V (Organic Chemistry)
CH-425	Skilled	Chemistry Practical-VI (Inorganic Chemistry)
CH-426 A	Elective	Advanced Inorganic Chemistry-II
CH-426 B	Elective	Industrial safety & good Lab practices
CH-427	OJT/INT	On job training OR Internship

M. Sc. 2nd Year - (Organic Chemistry)

Course Code	Course Type	Title of the Course
Semester III		
CH-O-511	Core	Organic Reaction Mechanism
CH-O-512	Core	Organic Stereo Chemistry
CH-O-513	Core	Spectroscopic Methods in Structure Determination
CH-O-514	Skilled	Organic Chemistry Practical-I
CH-O-515	Skilled	Organic Chemistry Practical-II
CH-O-516(A)	Elective	Heterocyclic Chemistry
CH-O-516(B)	Elective	Green Chemistry
CH-O-517	Core	Research Project
Semester IV		
CH-O-521	Core	Photochemistry and Pericyclic Reactions
CH-O-522	Core	Synthetic Methods in Organic Chemistry
CH-O-523	Skilled	Organic Chemistry Practical-III
CH-O-524	Skilled	Organic Chemistry Practical-IV
CH-O-525 (A)	Elective	Chemistry of Natural Products
CH-O-525 (B)	Elective	Drug Chemistry
CH-O-526	Core	Research Project

M. Sc.-2nd Year : Analytical Chemistry

Course Code	Course Type	Title of the Course
Semester III		
CH-A-511	Core	Concepts of Analytical Chemistry
CH-A-512	Core	Instrumental Methods of Analysis
CH-A-513	Core	Modern Separation Science
CH-A-514	Skilled	Analytical Chemistry Practical-I
CH-A-515	Skilled	Analytical Chemistry Practical-II
CH-A-516(A)	Elective	Analysis of Organics and Medicinal Bioinorganic
CH-A-516(B)	Elective	Pharmaceutical Analysis
CH-A-517	RP	Research Project
Semester IV		
CH-A-521	Core	Spectroscopic Methods of Analysis
CH-A-522	Core	Special Analytical Methods and Analysis of Complex Materials
CH-A-523	Core	Analytical Chemistry Practical-III
CH-A-524	Skilled	Analytical Chemistry Practical-IV
CH-A-525 (A)	Elective	Bio-Analysis and Analysis of Food
CH-A-526(B)	Elective	Environmental Analysis
CH-A-527	RP	Research Project

Certificate Course in Analytical Chemistry. (Affiliated to North Maharashtra University, Jalgaon) **Eligibility :** B. Sc. (Chemistry)

Conducted by : Department of Chemistry

Duration : One Year

Contact : Dr. R. M. Patil

M.Sc. Sem I (Microbiology) NEP

SEMESTER I		
Subject Code	Title of the Paper	Course Type
MB-411	Microbial Taxonomy and Diversity	Core course
MB -412	Molecular Biology	Core course
MB -413	Microbial Biochemistry	Core course
MB -414	Laboratory course on Microbiology and Molecular Biology	Skilled
MB -415	Laboratory course on Biochemistry	Skilled
MB -416(A)	Food and Dairy Microbiology	Elective
MB -416(B)	Cell Biology	Elective
MB -417	Research Methodology	RM

M. Sc. SEM II (Microbiology)

SEMESTER – II		
Subject Code	Title of the Paper	Course Type
MB -421	Bioinstrumentation	Core course
MB -422	Bioinformatics	Core course
MB -423	Immunology	Core course
MB -424	Laboratory course on Immunology and advances in microbiology	Skilled
MB -425	Laboratory course on Enzymology	Skilled
MB -426(A)	Microbial Enzymology	Elective
MB -426(B)	Advanced Bio-techniques	Elective
MB -427	On Job Training	OJT

Semester III	Semester IV
MB -511: Pharmaceutical Microbiology (Core)	MB -521: Fermentation technology (Core)
MB -512: Applied Molecular Biology (Core)	MB -522: Agricultural Microbiology (Core)
MB -513: Applied and Environmental Microbiology (Core)	MB -523: Laboratory course on Biotechnology (Skilled)
MB -514 : Laboratory course on Pharmaceutical Microbiology (Skilled)	MB -524: Laboratory course on agricultural microbiology (Skilled)
MB -515: Laboratory course on Applied Microbiology (Skilled)	MB -525(A): Clinical and diagnostic Microbiology (Elective)
MB -516(A): Microbial genetics (Elective)	MB -525(B): Biostatistics (Elective)
MB -516(B): Animal and Plant Tissue culture (Elective)	MB -526: Research Project
MB -517: Research Project	

Certificate Course in Bio-analytical Techniques & Bio-informatics

(Affiliated to North Maharashtra University, Jalgaon)

Duration	: One Year
Eligibility	: B.Sc.
Conducted by	: Department of Microbiology,
Contact	: Prof. S. N. Patil

M. Sc. 1st Year : (Biotechnology) NEP

Subject Code	Title of the Paper	Course Type
Semester I		
BT-411	Microbial Diversity	Core course
BT -412	Biophysics	Core course
BT -413	Bio-molecules and their metabolism	Core course
BT -414	Laboratory course based on Microbial diversity and Bimolecular	Skilled
BT -415	Laboratory Course based on Immunology and Enzymalogy	Skilled
BT -416 (A)	Bioinstrumentation	Elective
BT -416 (B)	Biostatistics	Elective
BT -417	Research Methodology	RM
Semester II		
BT-421	Molecular Biology	Core course
BT -422	Enzymalogy	Core course
BT -423	Bioprocess Engineering and Technology	Core course
BT -424	Laboratory Course based Molecular Biology and Bioinstrumentation	Skill based
BT -425	Laboratory Course based on Bioprocess Technology	Skill based
BT -426 (A)	Immunology	Elective
BT -426 (B)	Food Biotechnology	Elective
BT -427	OJT/FP/Int	Skill based

M.Sc.-2nd Year: Biotechnology

Semester III	Semester IV
BT-511: Genetic Engineering (Core)	BT-521: Industrial and Business Biotechnology (Core)
BT-512: Advanced Environmental Biotechnology (Core)	BT-522: Bioinformatics (Core)
BT-513: Plant Biotechnology (Core)	BT-523: Laboratory course based on Industrial and Pharmaceutical Biotechnology (Skilled)
BT-514: Laboratory course based on Plant Biotechnology (Skilled)	BT-524: Laboratory course based on Bioinformatics (Skilled)
BT-515: Laboratory course based on Genetic Engineering and Environmental Biotechnology (Skilled)	BT-525 (A): Pharmaceutical Biotechnology (Elective)
BT-516 (A): Agricultural Biotechnology (Elective)	BT-525 (B): Nanobiotechnology (Elective)
BT-516 (B): Animal Tissue Culture (Elective)	BT-526: Research Project (Skilled)
BT-517: Research Project (Skilled)	



M.Sc. 1st Year: (Mathematics) NEP

Course	Course Type	Course Title
Semester I		
MT-411	Core	Advanced Real Analysis
MT -412	Core	Programming in C++
MT -413	Core	Topology
MT -414	Core	Abstract Algebra
MT -415 (A)	Elective	Partial Differential Equations
MT -415 (B)	Elective	Topics in Graph Theory
MT-416	RM	Research Methodology
Semester II		
MT-421	Core	Complex Analysis
MT -422	Core	Python Programming
MT -423	Core	Analytic Number Theory
MT -424	Core	Linear Algebra
MT -425 (A)	Elective	Theory of Special Functions
MT -425 (B)	Elective	Classical Mechanics
MT-426	OJT	On Job Training

M.Sc. 2nd Year: Mathematics NEP

Course Code	Course Type	Title of the Course
Semester III		
MT-511	Core	Topics in Functional Analysis
MT -512	Core	Statistical Techniques
MT -513	Core	Numerical Analysis
MT -514	Core	Topics in Field Theory
MT -515 (A)	Elective	Lattice Theory
MT -515 (B)	Elective	Fluid Dynamics
MT-516	Skilled	Research Project-I
Semester IV		
MT-521	Core	Linear Integral Equations
MT -522	Core	Operations Research
MT -523	Core	Commutative Algebra
MT -524 (A)	Elective	Advanced Abstract Algebra
MT -524 (B)	Elective	Algebraic Topology
MT-526	OJT	Research Project-II

M.Sc. 1st Year: (Statistics) NEP

Semester I			Semester II		
Course	Course Code	Title of the Course	Course	Course Code	Title of the Course
Core	ST-411	Distribution Theory	Core	ST-421	Probability Theory
Core	ST-412	Mathematical Methods	Core	ST-422	Statistical computing with python
Core	ST-413	Sampling theory & statistics for national development	Core	ST-423	Parametric Inference
Skilled	ST-414	Practical I	Skilled	ST-424	Practical II
Elective	ST- 416(A)	Advanced R programming & numerical methods	Elective	ST- 426(A)	Linear models & Regression Analysis
Elective	ST- 416(B)	C++ Programming & numerical methods	Elective	ST- 426(B)	Ecometrics
RM	RM 417	Research methodology for sciences	OJT	RM 427	On Job Training

M. Sc. 2nd Year: (Statistics) NEP

Semester III		
Course Type	Course Code	Title of the Course
Core	ST-511	Design, Planning and Analysis of Experiments
Core	ST-512	Analysis of Clinical Trials using SAS
Core	ST-513	Multivariate Analysis
Skilled	ST-514	Practical-III
Elective	ST-516 (A)	Statistical Process Control and Reliability
Elective	ST-516 (B)	Data Mining
Elective	ST-516 (C)	Asymptotic and Nonparametric Inference
Skilled	ST-517	Research Project-I
Semester IV		
Core	ST-521	Stochastic Processes
Core	ST-522	Time Series Analysis
Core	ST-523	Practical-IV
Elective	ST-525 (A)	Actuarial Statistics
Elective	ST-525 (B)	Investment Under Uncertainty
Elective	ST-525 (C)	Survival Analysis
Skilled	ST-526	Research Project-II

M. A. Psychology

MA Part- II Semester- III (Level 6.5)

Paper Code	Name of the Course
PSY- 511	Advanced Psychopathology
PSY- 512	Psycho-diagnostics
PSY- 513	Counselling Skills
PSY- 514	Health Psychology
PSY- 515	A) Psychological Rehabilitation
	B) Human Resource Development
	C) Mindfulness and Subjective Well-Being
PSY- 516	Research Proposal

MA Part- II Semester- IV (Level 6.5)

Paper Code	Name of the Course
PSY- 521	Clinical Disorders
PSY- 522	Psychotherapies
PSY- 523	Areas of Counselling
PSY- 524	A) Child Development and Parenting Skills
	B) Media Psychology
	C) Sport Psychology
PSY- 525	Research Project

MASTER OF COMMERCE (M.Com.) 1st year NEP

Select any one Major out of three Choices			
Paper	Semester-I	Paper	Semester-II
411-A	Advanced Accounting-III	421-A	Advanced Accounting-IV
412-A	Management Accounting-I	422-A	Management Accounting- II
413-A	Behavioral Finance	423-A	International Business
414-A	Strategic Management	424-A	Case Studies in Strategic Management
411-B	Advanced Cost Accounting-III	421-B	Advanced Cost Accounting-IV
412-B	Management Accounting-I	422-B	Management Accounting-II
413-B	Business Policy and Strategy	423-B	Strategic Cost Management
414-B	Production Management	424-B	Material Management
411-C	Strategic Management	421-C	Design Thinking
412-C	Human Resource Development	422-C	International Business
413-C	Principles of Marketing	423-C	Recent Trends in Commerce & Business
414-C	Financial Management for Decision Making	424-C	Case Studies in Strategic Management
415	Industrial Economics-I	425	Industrial Economics-II
416	Research Methodology in Commerce & Management	426	Internship in Industry & Project Submission

MASTER OF COMMERCE (M. Com.) 2nd Year NEP

Select any one Major out of three Choices	
Semester-III	Semester-VI
511A: Advanced Accounting-V	521A: International Taxation
512A: Management Accounting-III	522A: International Accounting Standards
513A: Forensic Accounting	523A: International Financial System
514A: Advanced Auditing-I	
511B: Advanced Cost Accounting-V	521B: Business Valuation
512B: Management Accounting-III	522B: Financial Planning and Budgeting
513B: Cost Management	523B: Management Auditing
514B: Information System for Business	
511C: Information System for Business	521C: Consumer Behavior
512C: International Business Environment	522C: Business Labour Law
513C: Advanced Marketing	523C: Financial Management
514C: Supply Chain Management	
515: Modern Retail Management	524: Import Export Management
516: Research Project-I	525: Research Project-II

Note: Students should visit the university website for details syllabus.

**Statement showing minimum fees for the Admission to
Jr. M.Sc./M.A./M.Com. Students for the academic year 2025-26**

Sr. No.	Particulars	M. Sc. I MB/ BT	M. Sc. I OC/AC	M. Sc. I Math	M. Sc. I Stat	M. A. I PSY.	M. Com. I
1	Tuition Fee	15000	15000	15000	15000	5000	4000
2	Gymkhana Fee	150	150	150	150	150	150
3	Student activity Fee	75	75	75	75	75	75
4	Library Fee	300	300	300	300	300	300
5	Computerization Fee	20	20	20	20	20	20
6	Student Aid Fund	100	100	100	100	100	100
7	Admission Fee	50	50	50	50	50	50
8	Medical Fee	50	50	50	50	50	50
9	Tutorial Fee	100	100	100	100	100	100
10	Magazine Fee	60	60	60	60	60	60
11	Development Fee	100	100	100	100	100	100
12	Gathering Fee	60	60	60	60	60	60
13	Laboratory Fee	11000	8000	3000	3000	600	500
14	Deposit	400	400	400	400	150	150
15	Registration Fee	100	100	100	100	100	100
16	Ashwamedh Fee	36	36	36	36	36	36
17	Disaster Fee	10	10	10	10	10	10
18	Group Insurance Fee	20	20	20	20	20	20
19	E- Suvidha Fee	59	59	59	59	59	59
20	Eligibility Fee	100	100	100	100	100	100
21	Alumni Asso Fee	50	50	50	50	50	50
22	Yuvarang	50	50	50	50	50	50
23	Training & Placement	100	100	100	100	100	100
24	NSS Self fin. Unit	10	10	10	10	10	10
25	Flag Fund	10	10	10	10	10	10
26	Green Energy Fees	200	200	200	200	200	200
27	Personality Dev. & Career guidance Fee	50	50	50	50	50	50
28	Mics. Fee	150	150	150	150	150	150
29	ID Card	50	50	50	50	50	50
30	Exam Fee	2680	2030	2030	2030	1300	1200
	TOTAL	31140	27490	22490	22490	9110	7910

Fee Structure may change as per the university circular

**Statement showing minimum fees for the Admission to
Sr. M.Sc./M.A./M.Com. Students for the academic year 2025-26**

Sr. No.	Particulars	M. Sc. II MB/BT	M. Sc. II OC/AC	M. Sc. II Math	M. Sc. II Stat	M. A . II PSY.	M. Com. II
1	Tuition Fee	15000	15000	15000	15000	5000	4000
2	Gymkhana Fee	150	150	150	150	150	150
3	Student activity Fee	75	75	75	75	75	75
4	Library Fee	300	300	300	300	300	300
5	Computerization Fee	20	20	20	20	20	20
6	Student Aid Fund	100	100	100	100	100	100
7	Admission Fee	50	50	50	50	50	50
8	Tutorial Fee	100	100	100	100	100	100
9	Magazine Fee	60	60	60	60	60	60
10	Development Fee	100	100	100	100	100	100
11	Gathering Fee	60	60	60	60	60	60
12	Laboratory Fee	11000	8000	3000	3000	600	500
13	Ashwamedh Fee	36	36	36	36	36	36
14	Disaster Fee	10	10	10	10	10	10
15	Group Insurance Fee	20	20	20	20	20	20
16	E- Suvidha Fee	59	59	59	59	59	59
17	Alumani Association Fee	50	50	50	50	50	50
18	Mics. Fee	150	150	150	150	150	150
19	Yuvarang	50	50	50	50	50	50
20	Training & Placement	100	100	100	100	100	100
21	NSS Self fin.Unit	10	10	10	10	10	10
22	ID Card	50	50	50	50	50	50
23	Flag Fund	10	10	10	10	10	10
24	Green Energy Fees	200	200	200	200	200	200
25	Personality Development & Career guidance Fee	50	50	50	50	50	50
26	Exam Fee	3300	2640	2120	2640	1570	1550
27	Degree Certificate Fee	500	500	500	500	500	500
	Total	31610	27950	22430	22950	9480	8360

Fee Structure may change as per the university circular

Disciplinary Rules

1. Every Student shall wear clean suitable and presentable clothing.
2. Students shall abide by all the rules framed by the college authorities from time to time with regard to their conduct and discipline.
3. Students are admitted to the college, subject to the control of the authorities in regard to their conduct in college premises.
4. Students shall not remain absent for lectures and practicals without prior permission of HOD. An application for leave of absence shall be submitted to the concerned Vice-Principal.
5. No students will be allowed to take active part in any political activity, directly or indirectly, associated with anti-social activity with the aim of violence.
6. Students should not in any way disfigure the premises of the college and hostel building or tamper with the furniture, electric connections, laboratory apparatus etc.
7. Every student must obtain college identity card within a month from the date of admission otherwise he / she will be subjected to penalty of Rs. 50
8. Every student must have college

identity card with him/her at all times in the college premises.

9. Students are strictly prohibited to smoke consume drugs, narcotics ,tobacco, Gutka, in college premises. Not only this, but if a student, is found in possession of narcotics and drugs, he will be liable for punishment under the Mumbai Police Act. 1951.

10. Ragging and such similar activities are strictly prohibited. Breach of these and such other rules will make the students liable for expulsion from the college.

11. Use of a cell phone is prohibited in the classroom, laboratories & library.

University Ordinance Regarding Maintenance of Discipline & Good Conduct

The University ordinance regarding maintenance of discipline and good conduct, the UGC regulations on curbing the menace of ragging in higher educational institutions 2009, and the rules regarding complaints and grievances of women regarding sexual harassment at the work place under University statute are available on the college and university website.

ANTI - RAGGING

According To Ugc Regulations on Curbing The Menace of Ragging In Higher Educational Institutions, 2009.

Administrative action in the event of ragging. :

- 1) The institution shall punish a student found guilty of ragging after following the procedure and in the manner prescribed herein under:
 - a) The Anti-Ragging Committee of the institution shall take an appropriate decision, in regard to punishment or otherwise, depending on the facts of each incident of ragging and nature and gravity of the incident of ragging established in the recommendations of the Anti-Ragging Squad.
 - b) The Anti-Ragging Committee may, depending on the nature and gravity of the guilt established by the Anti-Ragging Squad, award, to those found guilty, one or more of the following punishments, namely;
 - i. Suspension from attending classes and academic privileges.
 - ii. Withholding/ withdrawing scholarship / fellowship and other benefits.
 - iii. Debarring from appearing in any test/ examination or other evaluation process.
 - iv. Withholding results.
 - v. Debarring from representing the institution in any regional, national or international meet, tournament, youth festival, etc.
- vi. Suspension/ expulsion from the hostel.
- vii. Cancellation of admission.
- viii. Rustication from the institution for period ranging from one to four semesters.
- ix. Expulsion from the institution and consequent debarring from admission to any other institution for a specified period. Provided that where the persons committing or abetting the act of ragging are not identified, the institution shall resort to collective punishment.
- c) An appeal against the order of punishment by the Anti-Ragging Committee shall lie,
 - i. in case of an order of an institution, affiliated to or constituent part, of a University, to the Vice-Chancellor of the University; 21
 - ii. in case of an order of a University, to its Chancellor.
 - iii. in case of an institution of national importance created by an Act of Parliament, to the Chairman or Chancellor of the institution, as the case may be.

SEXUAL HARASSMENT CONTROLLING MEASURES

Rules Relating To Complaints And Grievances of Women Regarding Sexual Harassment At The Work Place Under University Statute

Sexual Harassment at the Workplace means and includes: Unwelcome sexually- determined behavior (whether directly or by implication) such as – (a) Physical Contact and advances (b) A Demand and request for Sexual Favours (c) Sexually-Coloured Remarks (d) Showing pornography (e) Any Other Unwelcome Physical, Verbal or Non-Verbal Conduct of a Sexual Nature (f) Any conduct which is humiliating a woman

Penalties And Punishment For Sexual Harassment –

1. The committee shall impose and/or recommend penalty to a person found guilty of sexual harassment.
2. Any employee or student found guilty of sexual harassment shall be liable to be punished.
3. The Hon'ble Vice-Chancellor will take decision regarding filing of criminal complaint against the concerned person as he deems fit.
4. A person found guilty of "sexual harassment" shall be subject to the same penalties for major and minor misconduct as is prescribed under the Statutes of the University for the teaching staff and as per the Standard Code for the non-teaching staff.
5. A student found guilty of sexual harassment shall be liable to receive the following penalties-

Minor Penalties-

- (I) Warning (ii) Written apology

- (iii) Bond of good behavior (iv) Debarring entry into a hostel/campus (v) Suspension for a specified period of time (vi) Withholding results.

Major Penalties-

- (i) Debarring from examinations
- (ii) Expulsion from University/ College / Institution
6. Any direction issued by the Committee for placing any person under suspension and /or for prohibiting him from entering the premises or for imposing a penalty shall be communicated to the University, affiliated or autonomous college/s, autonomous institution /s or department /s or recognized institution /s and the concerned Management, it shall also be communicated to the person making the complaint and the person against whom the complaint is made; the direction shall be complied with the University or the Management concerned, as the case may be, within two weeks from the date of communication.
7. In an extreme case of physical assault or rape, the person charged will be immediately suspended until the completion of the inquiry and police complaint also be lodged.
8. The Disciplinary Authority in respect of the employee working in the University shall be the Vice-Chancellor.



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद
विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
An Autonomous Institution of the University Grants Commission

Certificate of Accreditation

*The Executive Committee of the
National Assessment and Accreditation Council
is pleased to declare the*

NCES's

*Post Graduate College of Science, Technology and
Research, Jalgaon*

Jilha Peth, Dist. Jalgaon, affiliated to

*Kavayitri Bahinabai Chaudhari North Maharashtra University, Maharashtra as
Accredited*

with CGPA of 2.52 on four point scale

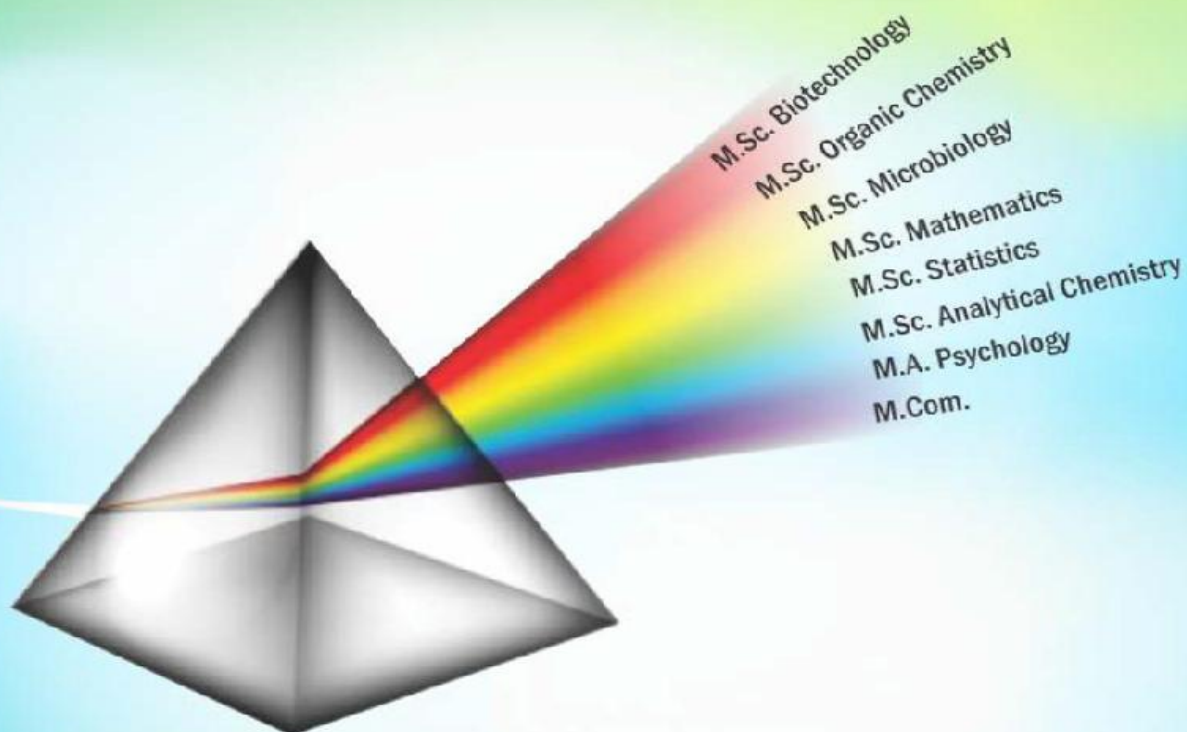
at B⁺ grade

valid up to March 10, 2025

Date : March 11, 2020



*S. C. Sharma
Director*



**Khandesh College Education Society's
Post Graduate College of Science,
Arts and Commerce, Jalgaon**

**Affiliated to K. B. C. N. M. U. Jalgaon
NAAC Accredited at B+ Grade with CGPA of 2.52**



**Phone: (0257) 2236036
E-mail: pgcolleger@kce.in
Website: www.pgcollege.kces.in**